

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

Claims 1-26 (cancelled)

Claim 27 (previously presented): A structural improvement for an alert system which comprises:

a sensor installable on an operating glove and a control panel comprising an electronic circuit, a protection device and a warning device;

wherein when a metal or magnetic material touches said sensor's conductive material, said sensor's conductive material sends a signal to said control panel that starts said control panel's warning device to warn users with a warning signal, and said control panel's protection device protects users from being hurt by said metal or magnetic material.

Claim 28 (currently amended): The improved alert system of Claim 27, wherein said sensor is made of electroplated metal that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material, and said control panel's electronic circuit upon receiving the signal from said sensor prompts said warning device to warn users with [[a]] said warning signal and drives a motor to inject gas into said control panel's protection device designed

as an airtight chamber to protect users from being hurt by said metal or magnetic material.

Claim 29 (currently amended): The improved alert system of Claim 27, wherein said sensor is made of electroplated metal that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material, and said control panel's electronic circuit upon receiving the signal from said sensor prompts said warning device to warn users with [[a]] said warning signal and drives a motor to pressurize liquid inside said control panel's protection device out of said protection device to protect users from being hurt by said metal or magnetic material.

Claim 30 (currently amended): The improved alert system of Claim 27, wherein said sensor is made of electroplated metal that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material, and said control panel's electronic circuit upon receiving the signal from said sensor prompts said warning device to warn users with [[a]] said warning signal and drives a motor to pressurize medicinal liquid inside said control panel's protection device out of said protection device to provide disinfection function.

Claim 31 (currently amended): The improved alert system of Claim 27, wherein said sensor is a pressure sensor that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material that changes

pressure inside said pressure sensor, and said control panel's electronic circuit upon receiving the signal from said sensor prompts said control panel's warning device to warn users with [[a]] said warning signal and drives a motor to inject gas into said control panel's protection device designed as an airtight chamber to protect users from being hurt by said metal or magnetic material.

Claim 32 (currently amended): The improved alert system of Claim 27, wherein said sensor is a pressure sensor that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material that changes pressure inside said pressure sensor; and said control panel's electronic circuit upon receiving the signal from said sensor prompts said control panel's warning device to warn users with [[a]] said warning signal and drives a motor to pressurize liquid inside said control panel's protection device out of said protection device to protect users from being hurt by said metal or magnetic material.

Claim 33 (currently amended): The improved alert system of Claim 27, wherein said sensor is a pressure sensor that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material that changes pressure inside said sensor; and said control panel's electronic circuit upon receiving the signal from said sensor prompts said control panel's warning device to warn users with [[a]] said warning signal and drives a motor to pressurize

medicinal liquid inside said control panel's protection device out of said protection device to provide disinfection function.

Claim 34 (previously presented): The improved alert system of Claim 27, wherein said control panel's warning device is a diode that emits light as the warning signal to warn users.

Claim 35 (previously presented): The improved alert system of Claim 27, wherein said control panel's warning device is a beeper that produces a beeping sound to warn users.

Claim 36 (previously presented): A structural improvement for an alert system which comprises:

- a sensor capable of detecting a metal or magnetic material and sending out a signal to a control panel;

- a micro-processor for receiving signals from said sensor, comparing said signals with a database's data to judge the existence of metal or magnetic material, and sending out signals to said control panel;

- wherein said control panel consists of an electronic circuit, a protection device and a warning device to receive signals from said micro-processor for protection; when said metal or magnetic material approaches said sensor, said sensor sends out a signal to said micro-processor where a comparison between a detected result and said database is made; said sensor detecting any metal or

magnetic material sends out a signal to said control panel which prompts said warning device to warn users with a warning signal and said protection device to protect users from being hurt by metal or magnetic material.

Claim 37 (previously presented): The improved alert system of Claim 36, wherein said sensor contains a CCD image device that delivers image information to said micro-processor where a comparison between said image information and said database is made to judge existence of metal or magnetic material; said micro-processor detecting any metal or magnetic material then sends out a signal to said control panel, prompting said warning device to warn users with sounds or signals.

Claim 38 (previously presented): The improved alert system of Claim 36, wherein said sensor contains a CCD image device and a thermal sensor that delivers image information and temperature information respectively to said micro-processor where a comparison between said information and database is made to judge existence of metal or magnetic material; said micro-processor detecting any metal or magnetic material sends out a signal to said control panel, prompting said warning device to warn users with sounds or signals.

Claim 39 (previously presented): The improved alert system of Claim 36, wherein said control panel's warning device is a diode that emits light as the warning signal to warn users.

Claim 40 (previously presented): The improved alert system of Claim 36, wherein said control panel's warning device is a beeper that produces a beeping sound as the warning signal to warn users.

Claim 41 (previously presented): The improved alert system of Claim 36, wherein said control panel's protection device contains an airtight chamber, a motor for gas injection and electronic circuit gas injects; said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit gas injects, driving said motor to inject gas into said airtight chamber to protect users from being hurt by metal or magnetic material.

Claim 42 (previously presented): The improved alert system of Claim 36, wherein said control panel's protection device contains a motor and liquid; said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit, driving said motor to pressurize said liquid out of said protection device to protect users from being hurt by metal or magnetic material.

Claim 43 (previously presented): The improved alert system of Claim 36, wherein said control panel's protection device contains a motor and medicinal liquid; said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit, driving said motor to pressurize said medicinal liquid out of said protection device to provide disinfection function.

Claim 44 (previously presented): A structural improvement for an alert system, which comprises:

a sensor capable of detecting metal or magnetic material and sending out a signal to a control panel;

said control panel that receives signals from said sensor, comprising an electronic circuit, and a warning device;

a metal or magnetic material combined with a non-metal material for detection; and

an electromagnetic wave-proof device for isolating said combined metal or magnetic material with non-metal material from said sensor's detection;

wherein said sensor sends out said signal to said control panel when detecting any metal or magnetic material outside of said electromagnetic wave-proof device, and said warning device is prompted to warn users with sounds or signals that said metal or magnetic material outside of said electromagnetic wave-proof device should be placed inside said electromagnetic wave-proof device to isolate said metal or magnetic material from said sensor's further detection to prevent signal error.

Claim 45 (previously presented): The improved alert system of Claim 44, wherein said sensor is an electromagnetic wave sensor that sends out a signal to said control panel when detecting any metal or magnetic material.

Claim 46 (previously presented): The improved alert system of Claim 44, wherein said electromagnetic wave-proof device is an isolation tub used to isolate detection of said sensor.

Claim 47 (previously presented): The improved alert system of Claim 44, wherein said electromagnetic wave-proof device is a needle head cover used to isolate detection of said sensor.

Claim 48 (previously presented): The improved alert system of Claim 44, wherein said electromagnetic wave-proof device is a pair of protection gloves for operating knives, designed for isolating said sensor's detection.

Claim 49 (previously presented): The improved alert system of Claim 44, wherein said non-metal material is cotton.

Claim 50 (previously presented): The improved alert system of Claim 44, wherein said non-metal material is swab.

Claim 51 (previously presented): The improved alert system of Claim 44, wherein said non-metal material is suture.

Claim 52 (previously presented): The improved alert system of Claim 27, 36 or 44, wherein said sensor is equipped with a capacitance sensor that shows

capacitance values varying with respect to the distance between the metal or magnetic material and the sensor so that location of the metal or magnetic material is determined.